|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Input supply** | **production** | **trading** | **processing** | **consumption** |
| Activities | Provision of breeding stock | Breeding, rearing, fattening, | Buying, selling, transporting | Slaughtering, meat retailing, marketing? | purchase by individual consumers, value adding by restaurants |
|  | Health service |  |  |  |  |
|  | Feed supply |  |  |  |  |
|  | Technical inputs |  |  |  |  |
| Actors | Research & breeding ranches | Farmers, urban producers | Collectors, traders, farmers, brokers, transporters | Butchers, Restaurants | Individual consumers, Hotels, restaurants |
|  | BoA, private vet service providers, informal/rogue drug dealers |  |  |  |  |
|  | Small traders, farmers |  |  |  |  |
| Inputs | Imported pure stock | Breeding stock, feeds, vet supplies, labour, land | Transport, cash, marketing facilities | Slaughter kit | Sheep |
|  | Land, labor, oil crops production, milling byproducts |  |  |  |  |
| Output |  | Yearlings, fattened rams, culled ewes, wool | Animal supply | Sheep Meat | Meat and dishes |
| Locations | Debre birhan and vicinity | Debre birhan and vicinity | Farm gate, Debre birhan, Chacha, Addis |  | Villages, Debre Birhan, Addis, |
| challenges | Cost, quality, availability, seasonality | Diseases, feed shortage, breeding stock shortage, market shortage | Market info, seasonality of markets, Negative roles of Brokers |  |  |
| Possible solutions | Make use of coops, unions, planned production, regulation of vet services | Improving vet service, coops, | Improving market info, market regulations |  |  |